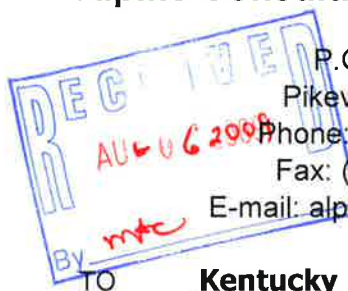


Alpine Consulting & Engineering, Inc.

LETTER OF TRANSMITTAL



P.O. Box 3203
Pikeville, KY 41502
Phone: (606) 437-6223
Fax: (606) 437-4113
E-mail: alpine2@mikrotec.com

Kentucky Division of Water
200 Fair Oaks Lane
Frankfort, KY 40601

DATE	8/4/2009	JOB NO.	CAM-06-07
ATTENTION	Ronnie Thompson		
RE:	CAM Mining, LLC		
	DNR P.N. 836-0355		
	KPDES		
	Corrected' HQAA Application		
	Coal Mining Activities		

WE ARE SENDING YOU XX Attached Under separate cover via the following items:

 Copy of letter Prints Plans Specifications Contract Documents

 Samples Change Order Check No. Bond No.

 Preliminary Action XX Permit Application Package XX Other See table below.

 ACKNOWLEDGEMENT OF RECEIPT REQUESTED

RECEIVED BY: Mailed U.S.P.S. DATE 8/4/2009

COPIES	DATE	NO.	DESCRIPTION
1	8/4/2009		Corrected' HQAA Application

THESE ARE TRANSMITTED as checked below:

XX For Approval Approved as submitted Resubmit copies for approval

 For Your Use Approved as noted Submit copies for distribution

 As requested Returned for corrections Return corrected prints

 For review and comment

 For bids due 20 prints returned after loan to us

REMARKS

Bonnie

This HQAA was approved by you via email correspondence. Please find attached a 'corrected' hard copy with an updated signature page.

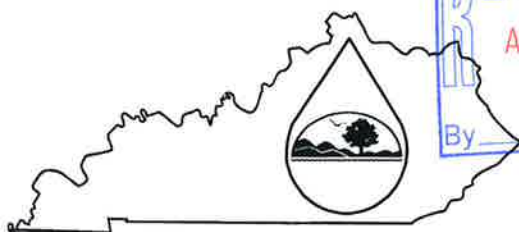
Thanks,

COPY TO

SIGNED: Steve Kinski

If enclosures are not as noted, please notify us at once.

KPDES FORM HQAA



Kentucky Pollutant Discharge Elimination System (KPDES)

High Quality Water Alternative Analysis

The Antidegradation Implementation Procedures outlined in 401 KAR 5:030, Section 1(3)(b)5 allows an applicant who does not accept the effluent limitations required by subparagraphs 2 and 3 of 5:030, Section 1(2)(b) to demonstrate to the satisfaction of the Environmental and Public Protection Cabinet that no technologically or economically feasible alternatives exist and that allowing lower water quality is necessary to accommodate important economic or social development in the area in which the water is located. The approval of a POTW's regional facility plan pursuant to 401 KAR 5:006 shall demonstrate compliance with the alternatives analysis and socioeconomic demonstration for a regional facility. This demonstration shall also include this completed form and copies of any engineering reports, economic feasibility studies, or other supporting documentation

I. Permit Information

Facility Name:	CAM Mining LLC	KPDES NO.:	Pending
Address:	PO Box 1169	County:	Floyd
City, State, Zip Code:	Pikeville, KY 41502	Receiving Water Name:	Johns Creek & Buffalo Creek

II. Alternatives Analysis - For each alternative below, discuss what options were considered and state why these options were not considered feasible.

Discharge to other treatment facilities. Indicate which treatment works have been considered and provide the reasons why discharge to these works is not feasible.

A wastewater treatment facility operated by the City of Prestonsburg is located approximately 15 miles North-West of the proposed discharge sites. In order to transfer the discharges a pipeline system would be needed. The estimated costs associated with the pipeline construction would be approximately \$2.00/linear foot for an eight inch diameter PVC pipe; approximately \$60.00/hour for labor (4 man crew @ \$15.00/hr. each); approximately \$10,000 per pumping station (discharge must travel uphill); \$500,000 for obtaining property rights; treatment facility costs of approximately \$10/day for the life of the mine (estimated life of 10 years). Thus, the total costs would be calculated as follows: pipe cost = $2.00 \times 79,200 \text{ ft.} = \$158,400$ + labor costs = $\$60.00 \times 600 \text{ hours} = \$36,000$ + 3 pumping station = $\$30,000$ + property rights = $\$500,000$ + treatment costs = $\$10 \times 3,650 \text{ days} = \$36,500$; for a total cost of \$760,900. This alternative would result in additional environmental impacts resulting from construction of a pipeline.

A possible alternative to piping water to the treatment facility would be the use of trucks to transport water. This alternative would pose additional costs in the construction of a system of pipes and collection tanks to collect and hold the water prior to loading tank trucks. There would also be transportation costs of approximately \$0.70 per mile. If the total amount of water collected per month were 3,946,056 gallons (based on proposed pond volumes), it would need 1973 round trips per month using a 2000-gallon truck. Thus, 1973 trips at a distance of 30 miles at \$0.70/mile generates a cost of \$41,433/per month, \$4,971,960 total over the life of the project. This alternative would also result in additional impacts to the environment in the form of a loss of about 3.9 million gallons of water per month to the local watershed. This may constitute material damage to the hydrologic balance within and outside of the permit area (405 KAR 18:060, Section 1). In addition, implementing this alternative would result in increased risks to public safety because it would necessitate repeated daily trips by large water tankers on the small rural local roads.

2. Use of other discharge locations. Indicate what other discharge locations have been evaluated and the reasons why these locations are not feasible.

The applicant has evaluated the possibility of directing the proposed discharge to an adjacent stream channel in order to avoid discharges to Johns Creek & Buffalo Creek. The nearest adjacent stream channel to be evaluated is Levisa Fork, located east of the proposed discharges. In order to transfer the proposed discharge to Levisa Fork, the discharge would have to be pumped and carried through pipeline that traversed the surrounding hilly topography. The constructed pipeline would need to be approximately 15 miles in length with a minimum of 3 pumping stations in order to be re-directed to Levisa Fork. The cost associated with the transfer of the discharge to the adjacent stream channel would involve the purchase of a 3 pumping stations (approximately \$30,000), piping (approximately $2.00 \times 79,200 \text{ feet} = \$158,400$), labor costs (approximately $\$15.00/\text{hr}/\text{laborer}$ at 4 laborers for 600 hours = $\$36,000$), property rights acquisitions of approximately \$100,000, and equipment for clearing of the pipeline route (approximately \$68,000) for a total cost of \$392,400. Furthermore, the environmental impact to the Levisa Fork, a high quality water, would be virtually the same as to the proposed stream channels (also high quality waters), with additional surface disturbances necessary for the construction and site preparation.

II. Alternatives Analysis - continued

3. **Water reuse or recycle.** Provide information about opportunities for water reuse or recycle at this facility. If water reuse or recycle is not a feasible alternative at this facility, please indicate the reasons why.

The applicant is proposing thirty-eight (38) discharge locations (sedimentation ponds) that will discharge into Buffalo Fork and Johns Creek Branch. The proposed discharge points will control runoff from approximately 647.6 surface disturbance acres via sedimentation ponds and assuming the ponds are all constructed at the same time and assuming that the ponds maintain a full volume of water, the total volume of water available for recycling uses each month would be approximately 3,946,056 gallons (based on proposed pond capacities). Approximately 20,000 gallons of stored water each month (during the months of June, July, and August each year) could be reused as a dust suppressant for road facilities. Re-distribution of the water to the surrounding surface areas would be difficult, as the surrounding slopes are steep and runoff would create additional potential environmental damage. An additional on-site reuse of waters to be evaluated is that of utilizing the water during reclamation operations. While some water may be utilized within hydroseeders during reclamation, the total amount (approximately 2,000 – 3,000 gallons) utilized would not eliminate the discharges generated during the mining operation. The total amount to be reused onsite would about 23,000 gallons during those months of highest water use. This would leave an excess of at least 3.9 million gallons per month.

Re-using the captured storm water would conserve the stream. Thus, the water conservation procedure for the proposed mining operation will be to re-use the captured storm water for on-site dust control, hydroseeding operations, and where possible, irrigation operations. (The requirement for water conservation via irrigation methods is slope readings of no greater than 6%).

In order to recycle the additional amount of generated wastewater to potable drinking water, the discharge would have to be transferred to the City of Prestonsburg drinking water treatment facility located approximately 15 miles North-West of the proposed discharge location within the city of Prestonsburg. Thus, the cost associated with the transfer of the discharges to the treatment facility would be as follows: \$2.00/linear foot for an eight inch diameter PVC pipe; approximately \$60.00/hour for labor (4 man crew @ \$15.00/hr. each); approximately \$10,000 per pumping station (discharge must travel uphill); \$500,000 for obtaining property rights; treatment facility costs of approximately \$10/day for the life of the mine (estimated life of 10 years). Thus, the total costs would be calculated as follows: pipe cost = \$2.00 X 79,200 feet = \$158,400 + labor costs = \$60.00 X 600 hours = \$36,000 + 3 pumping station = \$30,000 + property rights = \$500,000 + treatment costs = \$10 X 3,650 days = \$36,500; for a total cost of \$787,300.

4. **Alternative process or treatment options.** Indicate what process or treatment options have been evaluated and provide the reasons they were not considered feasible.

The applicant is proposing a coal removal operation and will remove the coal reserves by surface mining methods. An alternative to this removal method would be that of underground mining. Coal removal by underground mining methods of the proposed reserves is impractical, as the coal beds within the reserve area cannot be economically mined via the underground mining method due to the nature of the reserves. The geology within the reserve area will not allow multiple seam underground mining operations as the seams are too close to each other in elevation, contain too much parting, and/or the reserve area is too small.

An on-site wastewater treatment facility would be difficult. The cost of the treatment facility alone (\$50,000 - \$100,000) would make this alternative difficult. Other costs associated with a treatment facility would include employee salaries of \$40,000/year/employee, chemical costs of \$50,000/ year or more, miscellaneous equipment purchase costs of \$50,000 per year, maintenance costs of \$10,000/year. Upon completion of mining operations the removal of the wastewater treatment facility would cost \$5,000 - \$8,000. A waste water treatment facility designed to treat mine run-off would primarily use a series of water holding tanks and chemicals such as flocculants to reduce sediment and dissolved mineral loads in the water. As such, it would be performing the same treatment methods as with the use of ponds, but at a higher cost.

The proposed sediment control structures (ponds) have been designed to control a 10 year/24 hour storm event. This means that the ponds were designed and will be constructed to handle a rainfall event within a 24 hour period of the intensity such as only normally occurring once within a 10 year period. Thus, once the proposed ponds are filled with water the receiving stream flow will be that of pre-mining conditions. The ponds will fill to the spillway elevation and will flow through the spillway and will maintain a hydrologic controlled release in accordance with normal stream flow rates. During high flow conditions the pond will release water at such a rate that normal stream flow conditions are maintained. Additionally, during low flow conditions the pond will retain water that will in-turn maintain normal stream flow conditions.

II. Alternatives Analysis - continued

5. **On-site or subsurface disposal options.** Discuss the potential for on-site or subsurface disposal. If these options are not feasible, then please indicate the reasons why.

The potential for on-site disposal of wastewater was investigated. The construction of injection wells on-site was investigated as an alternative to the proposed discharges. The injection wells would be approximately 8" in diameter and approximately 300' in depth and would hold a volume of water of approximately 785 gallons per well. Thus, approximately 5027 wells would be needed to ensure no discharge will occur. The estimated costs associated with the wells would be approximately \$20/linear foot, thus, 5027 wells at 300' in depth would cost approximately \$30,162,000.

Additionally, the construction of a subsurface septic tank and leachate bed was evaluated. The cost of the septic tank and leachate bed system would be approximately \$10,000 for each system, with approximately forty (40) separate systems needed, for a total cost of \$400,000. In addition to the increased water discharge cost, the topography associated with the proposed discharge areas would make the construction of on-site septic systems difficult. Furthermore, additional surface disturbances would be necessary during maintenance and removal of the septic system(s). Septic systems would not adequately treat sedimentation, as they are designed as biological treatment facilities.

Spray irrigation was evaluated as an on-site disposal method. However, the slopes within the proposed and adjacent areas are greater than 6% and runoff would not be contained. Additionally, no abandoned underground mine works are available for injection of the proposed runoff.

6. **Evaluation of any other alternatives to lowering water quality.** Describe any other alternatives that were evaluated and provide the reasons why these alternatives were not feasible.

Another alternative investigated for the proposed discharges involve avoiding the proposed mining operation. To avoid the proposed mining operation would result in the coal reserves remaining in-place and would not accomplish project goals.

With the coal reserves remaining in-place and the proposed surface mining operation not being conducted, approximately 20 directly related jobs would be lost. The loss of the jobs would result in a reduction of the local tax base should the potential laborers be forced to travel outside the area for employment. Miners in Kentucky made an average weekly salary of \$972.00 in 2004 (KY Coal Facts). Thus, this would mean a loss of approximately \$1,010,880 (20 employees with annual salaries of \$50,544) annually in local taxable income. Additionally, without the in-place coal being mined, the total loss in coal severance tax would be approximately \$4,396,834 (based on a minimum of \$0.50/ton with approximately 8,793,669 tons of recoverable reserve).

Additionally, the applicant may elect to accept more stringent limitations for the discharges in order to waive the HQAA requirements. The more stringent limitations would potentially create a long-term retention of the discharge points. The costs associated with on-going treatment of the discharge points would vary based upon the flow of the discharge in combination with the concentration of the contaminant. Estimating, based upon present cost of treatment facilities of approximately \$200/month for each structure, the resulting annual discharge maintenance cost is approximately \$62400/year (\$200 x 26 x 12). Consideration was also given to the temporary nature of the discharge points. Once the post-mining reclamation has been completed, the discharge will be eliminated and natural hydrologic function will be restored.

A limestone facility was evaluated for treatment of discharged water not within acceptable ranges. In order to construct a limestone facility, additional disturbances would be necessary downstream from the proposed discharge point(s). Thus, creating additional sedimentation loads to the local stream channels. Furthermore, the limestone facility may not accurately treat the discharged contaminate.

III. Socioeconomic Demonstration

1. State the positive and beneficial effects of this facility on the existing environment or a public health problem.

The proposed surface mining operation will be performed in accordance with all state and federal regulations governing the coal mining industry to ensure environmental and public health. The proposed area has been previously logged and natural gas well and lines have been constructed. The previous disturbances were performed without sediment control in-place, thus, excessive sediment was allowed to enter the receiving stream channel. The proposed mining operation will provide sediment control via sediment control ponds that will be located downstream from the proposed disturbance areas and downstream from a majority of the previous disturbance areas. The proposed sediment control ponds will capture sediment runoff from the proposed surface disturbance areas as well as from the previously disturbed areas. The sediment control structure will allow the receiving stream to recover from previous sedimentation and prior to removal of said sediment control ponds all disturbed areas, previous and proposed, will be revegetated. This will create a better habitat for aquatic organisms within the receiving stream channel.

2. Describe this facility's effect on the employment of the area.

The cumulative economic impact of the proposed project will be to contribute to the overall present economy in Floyd and Pike Counties. Not only will the proposed project directly contribute to the mining industry, but will contribute to other sectors closely related to the mining industry. These sectors will include trucking companies, mine supply companies, equipment sales companies, fuel sales companies, engineering firms, and other sectors that depend upon the mining industry as a part of their accounts receivable base. Pike County heavily relies on the coal industry as a part of its viable economy, as do most counties in the region. Pike County mining accounted for 17.7% of all employment in FY 2004 and accounted for 28.3% of total county wages (KY Coal Facts). As old mining operations close, new operations must be opened in order for the local economy to sustain its current level. History has shown that a 'slow down' in the coal industry directly impacts differing business sectors within the region.

While mining, retail, and services employed the greatest percentages of workers in Letcher County in 2004, the mining, public administration, and information sectors provided the highest average weekly wage (U.S. Department of Labor, Bureau of Labor Statistics). The mining industry paid an average weekly wage of \$972.00. It is estimated that the proposed surface mining operation will pay out an annual payroll of approximately \$1,010,880 to approximately 20 employees. Additionally, the proposed mining project would support employment for sectors that provide a service to the mining industry, i.e. material sells equipment sells/rentals, etc. The money paid out would be circulated throughout the community and help create a local healthful economy. The total number of American jobs created both directly and indirectly by the domestic mining industry was more than 3 times the number of workers directly involved in mining (KY Coal Facts). Thus, approximately 60 people would be indirectly impacted by the proposed surface mining operation.

3. Describe how this facility will increase or avoid the decrease of area employment.

The proposed surface mining operation will include new facilities that will possibly create employment for persons currently unemployed or for persons currently working at other mining facilities that are nearing completion, and perhaps will become unemployed if new job opportunities are not presented. The jobs created by the proposed operation will be permanent during the life of the operation. Additionally, the proposed operation may possibly create jobs indirectly related to the operation as additional mining operations create demands for operational supplies. Thus, the 20 employees needed to conduct the proposed mining operation will be able to continue working within the mining industry.

The 2000 census results showed that Pike County had a total population of 68,736 and predicted a population by 2006 of 66,860, a decrease of 2.7%. The decrease in population may result from relocations due to unavailable employment. Twenty-three percent of Pike County residents lived below the poverty range in 2004 and the unemployment rate was 6.7%. The average annual household income for residents residing in Pike County in FY 2004 was \$27,625.

The proposed mining operation will aid in raising the average annual household income and will help increase job opportunities in the region.

4. Describe the industrial or commercial benefits to the community, including the creation of jobs, the raising of additional revenues, the creation of new or additional tax bases.

The mining industry contributes to the local tax base through taxes on real and personal property, which in turn funds public services. During active stages of a mining operation, the property is assessed at a higher value when real property taxes are determined. Prior to mining activities or post mining activities, the idle property has a much lower value and property taxes paid do not contribute as much to the local economy. Personal property taxes are levied on the equipment utilized during a mining operation. A surface mining operation requires the purchase and use of numerous, very expensive, pieces of equipment during the life of the operation. The purchase of mining equipment drives the industry's sizable contribution to the personal property tax base because new equipment is expensive and depreciates rapidly. Property tax payments will be received from CAM Mining LLC during the life of the project, otherwise if not permitted, property tax payments received by Floyd & Pike Counties would be a lesser amount. The state severance tax is a gross receipt tax levied on businesses that sever, extract, and/or produce natural resource products, including coal, in Kentucky. The goal of the severance tax is to provide producing counties with funds to develop alternative industries to sustain the communities in the future once this natural resource is exhausted. The proposed operation would generate approximately \$1,683,542 (based on a minimum of \$0.50/ton with approximately 3,367,083 tons of recoverable reserve) in severance tax during the life span of the operation. Although a majority of the tax revenue is directed to the state, a large portion will directly benefit Floyd & Pike Counties. During FY 2005 coal taxes were received by Pike County totaled \$2,250,524 (KY Coal Facts).

5. Describe any other economic or social benefits to the community.

Due to the economic impact of the coal industry throughout Kentucky in 2004, in addition to 15,012 persons working at the mines, 6,021 persons worked in factories making everything from mining equipment to home appliances; 2,617 persons drove coal trucks and cargo trucks, worked at rail yards, etc.; 12,704 persons worked in warehouses, sold clothing, appliances, furniture, in retail stores, etc.; 12,470 persons worked in banks, law offices, engineering firms, accounting firms, and other service businesses; 4,366 persons built homes, offices, factories, and highways; and 7,968 others were teachers, government officials, and a wide variety of other professions and occupations. (KY Coal Facts)

The mining industry accounted for 574 jobs directly related to mining in 2004 in Floyd County and made up 3.9% of the total labor force. Wages paid out to miners in Floyd County in 2004 totaled \$23,244,536, comprising 6.9% of the county's total wages with an average weekly salary of \$778.76.

III. Socioeconomic Demonstration - continued

- | | <u>Yes</u> | <u>No</u> |
|--|-------------------------------------|-------------------------------------|
| 6. Will this project be likely to change median household income in the county? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Will this project likely change the market value of taxable property in the county? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8. Will this project increase or decrease revenues in the county? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 9. Will any public buildings be affected by this system? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

10. How many households will be *economically* or *socially* impacted by this project? **20 directly and approximately 60 indirectly for a total of approximately 80.**

11. How will those households be *economically* or *socially* impacted? (For example, through creation of jobs, educational opportunities, or other social or economic benefits.)

The 20 to 60 households that would be positively impacted by the creation of job opportunities or through the continuation of gainful employment. The salaries for the 20 directly employed persons would average \$50,544 annually and the salaries of those indirectly employed would vary based on the services/merchandise provided. The employment opportunities would aid those impacted with higher education opportunities, better health care, and the provision of everyday basic needs (ie. food and shelter).

- | | <u>Yes</u> | <u>No</u> |
|---|--------------------------|-------------------------------------|
| 12. Does this project replace any other methods of sewage treatment to existing facilities?
(If so describe how) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

- | | <u>Yes</u> | <u>No</u> |
|--|------------|--------------------------|
| 13. Does this project treat any existing sources of pollution more effectively?
(If so describe how.) | | <input type="checkbox"/> |

The proposed mining operation will provide sediment control structures that will effectively treat sediment runoff from the proposed mining areas as well as the previous surface disturbances created by previous logging activities and natural gas utility construction activities. The sediment control structures will prevent excessive sedimentation of the local receiving stream channel.

III. Socioeconomic Demonstration - continued

Yes

No

14. Does this project eliminate any other sources of discharge or pollutants?

☐

(If so describe how.)

The proposed mining operation will eliminate existing potential sediment runoff resulting from surface disturbances within the proposed area created by human activities, such as disturbances created by off-road and ATV vehicles, by revegetating the disturbed areas. The revegetation of disturbed areas would eliminate a source of pollutants through erosion.


15. How will the increase in production levels positively affect the socioeconomic condition of the area?

See Attachment 15

16. How will the increase in operational efficiency positively affect the socioeconomic condition of the area?

See Attachment 16

IV Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and Title:	CHRISTOPHER MORAVEC	Telephone No.:	(606) 432-3900
Signature:		Date:	07-29-09

ATTACHMENT 15:

The cumulative economic impact of the proposed project will be to contribute to the overall present economy in Floyd & Pike Counties. Not only will the proposed project directly contribute to the mining industry, but will contribute to other sectors closely related to the mining industry. These sectors will include trucking companies, mine supply companies, equipment sales companies, fuel sales companies, engineering firms, and other sectors that depend upon the mining industry as a part of their accounts receivable base. The region heavily relies on the coal industry as a part of its viable economy, as the coal industry accounts for 17.7% of all employment within nearby Pike County and accounts for 28.3% of total county wages (KY Coal Facts, FY 2004). As old mining operations close, new operations must be opened in order for the local economy to sustain its current level.

The proposed mining operation will aid in maintaining the current level, or increase the current level, of employment within the mining sector while creating additional monies received from coal severance taxes collected during the life span of the mining operation. The proposed operation would generate approximately \$1,683,542 (based on a minimum of \$0.50/ton with approximately 3,367,083 tons of recoverable reserve) in severance tax during the life span of the operation. Although a majority of the tax revenue is directed to the state, a large portion will directly benefit Floyd & Pike Counties.

ATTACHMENT 16:

The welfare of persons within the Appalachian region of Kentucky has historically been dependent upon the success of the coal mining industry, especially during periods of economic uncertainty or instability. Particularly within eastern Kentucky, the importance of the coal industry looms large in most facets of the lives of the region's citizens. Given the dependence upon the coal industry, small changes in demand for coal production can often bring about drastic changes in the local economy.

The heavy dependence on the coal industry in Kentucky coal producing counties often leaves these counties susceptible to changes in the fortunes of the industry. As a result, losses in coal mining earnings in these counties often lead to increased poverty and dependence on social welfare programs.

The proposed mining plan (coal removal by surface mining methods) represents the most efficient method for the removal of the present unmined coal reserves. More efficient mining methods will equal more coal production which in-turn will generate more revenues that will aid in the overall economy of the county.

**Kentucky Pollutant Discharge Elimination System (KPDES)
Instructions
KPDES Permit Application Supplemental Information**

SECTION I – PERMITTEE INFORMATION

Facility Name:	Provide the name of the facility
Mailing Address, City, State, and Zip Code:	Provide the mailing address
KPDES No.:	Provide the KPDES permit number for the facility
County:	Indicate the county in which the facility is located
Receiving Water Name:	Indicate the water body into which the facility discharges or plans to discharge.

SECTION II – Alternatives Analysis

For each item, provide a synopsis of the evaluations that were performed. A successful demonstration will provide justifications as to why these alternatives were not consider viable.

Include appropriate supporting documentation.

SECTION III – Socioeconomic Demonstration

Answer yes or no as appropriate. Where indicated, provide a synopsis of the positive economic impacts that will result from this project. A successful demonstration will show why the lowering of water quality is necessary to accommodate important economic or social development in the area.

Include appropriate supporting documentation.

SECTION IV - CERTIFICATION

Name and Title:	Indicate the name and title of the person signing the form.
Telephone No.:	Provide the telephone number of the person signing the form.
Date:	Indicate the date that the form was signed.

This form is part of the permit application and must be signed as follows:

Corporation: by a principal executive officer of at least the level of vice president

Partnership or sole proprietorship: by a general partner or the proprietor respectively